

MC100 wM-Bus Terminal

4G LTE IoT Gateway with wireless M-Bus and Ethernet interface

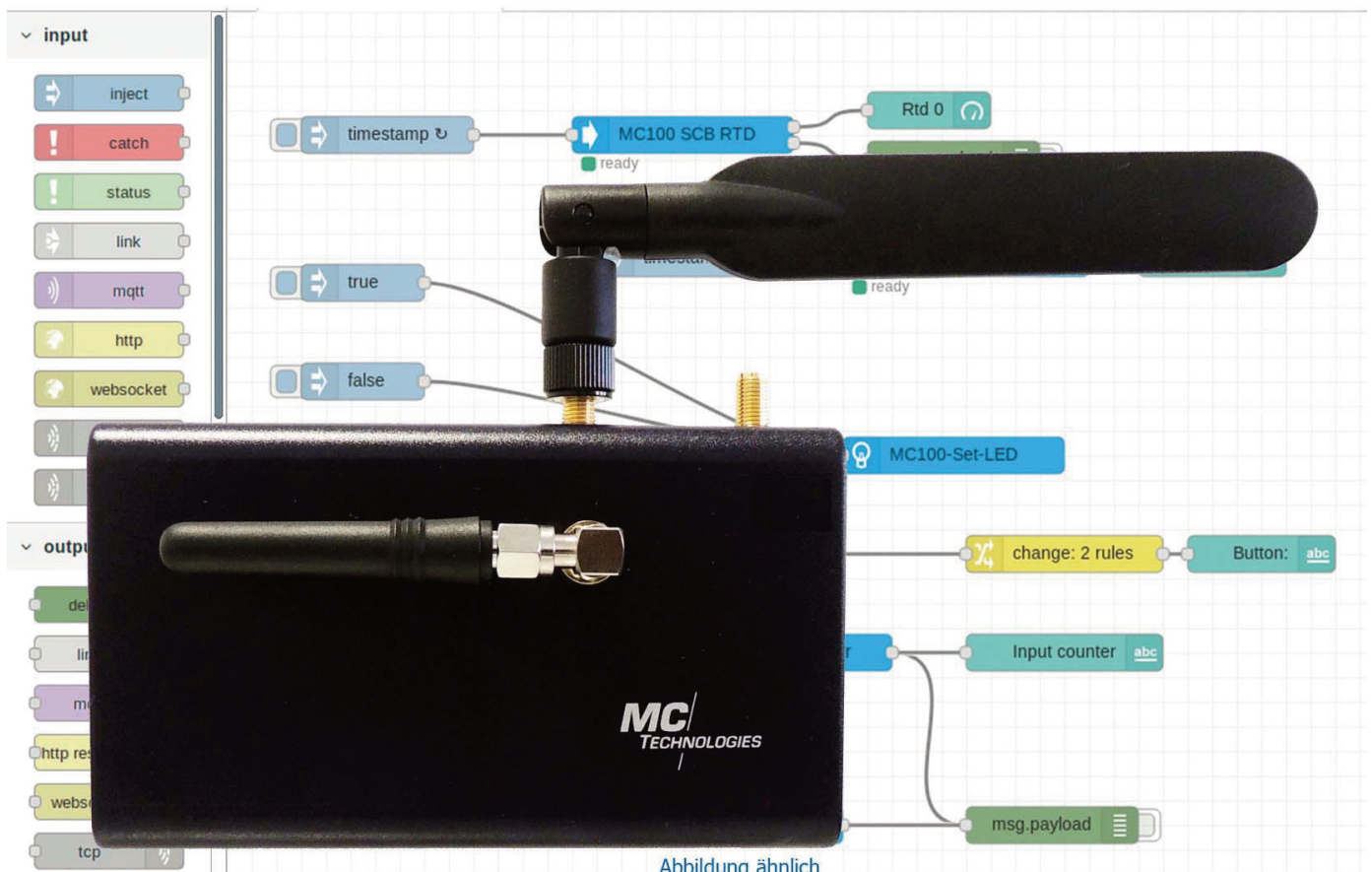
MC100 Terminal is equipped with Ethernet interfaces as well as a wireless M-Bus. It allows easy connection of connected devices to the Internet using mobile network.

Thanks to Node-RED™, a simple graphic programming tool, or other programming tools, the data recorded by multiple measuring devices can be read wirelessly.

Data can then, using a wide range of pre-configured transmission protocols, be uploaded to company servers or cloud services.

Key Features:

- Programmable logic gateway with mobile 4G LTE modem
- Fallback to 3G and 2G networks
- Ready for mobile Internet communication
- Ethernet interfaces
- Wireless M-Bus 868-870MHz
- Selective filters and amplifiers
- Optional for 169MHz, 433MHz
- OpenWrt Linux distribution 19.07 based on Kernel 4.14 and optimized for the ARM-based MC100 Gateway
- Node-RED™ – flow-based programming tool already installed
- Supports comprehensive cloud and server protocols
- Configuration via web interface
- Data storage on internal Flash or micro SD card
- Wide temperature range, industrial grade platform
- Wall or DIN rail mounting

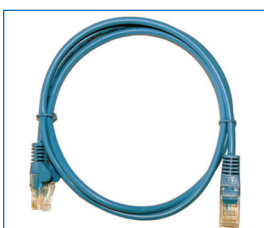


MC100 wM-Bus Terminal

Product	MC100 wM-Bus Terminal
Art.-No.	MC100P-41Q-T-WMB-O
General	Description
Typ	4G LTE IoT data terminal with wireless M-Bus and Ethernet Interface
Dimensions (W x H x D) in mm	120 x 75 x 35mm
Supply voltage	8 to 30V DC
Operation temperature	-20°C to +70°C
Housing	Plastic
Mounting	Wall mounting or DIN Rail
Mobile	
Supporting Networks	LTE (4G): B1/B3/B5/B7/B8/B20 HSDPA/HSUPA/HSPA+ (3G): Band 1,5,8, all bands with diversity GSM/GPRS/EDGE (2G): 850/900/1800/1900 MHz / B3/B8
Transmission rates LTE	Up to 5 Mbps uplink and 10 Mbps downlink
Transmission rates HSPA+	Up to 5.76 Mbps uplink and 21.6 Mbps downlink
Transmission rates EDGE	Up to 236.8 kbps uplink and 236.8 kbps downlink
Transmission rates GPRS	Up to 85.6 kbps uplink and 85.6 kbps downlink
SIM	Mini-SIM (opt. embedded SIM)
Antenna connections	3x SMA
Controller, Memory and OS	
Controller	ARM Cortex-A7, 528 MHz
RAM	512 MB
Flash	4 GB
OS	OpenWrt Linux
Programmable	C/C++, Python, Node-RED, or others
Interfaces	
Ethernet	10/100 MBit/s
SD Card	Micro SD, up to 64 GB
Power	Plug-in screw-type terminal
LED 1	Power
LED 2 and 3	Programmable
LED 4	GSM
LED 5	GPS (optional)
Wireless M-Bus	
Frequency band	868 – 870 MHz
Number of channels	12
Data rate [kbps]	4.8/32/100
Delivery	
Wall adapter	Plastic holder
Power supply	

Misprints and technical changes reserved.

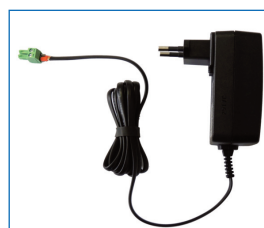
Optional accessories:



Ethernet cable, 1m
MC1213970-CAT5-KABEL



DIN rail mounting
MC1213100-MOUNT-KIT1



Power supply
FSP018-KLEMM



Portable antenna SMA (male)
MC0114113-868MHZ



Portable LTE antenna SMA (male)
MC0114531-A